

## INDEX TO VOLUME 20—THEORY

### Authors

- AGGARWAL, SUMER C., One Management Science Issue: An Excellent Representation of Ideals: Communication to the Editor, 1317.
- ATTANASI, EMIL, Some Interpretations of Sequential Bid Pricing Strategies, 1424.
- AUMAN, ROBERT J. see Maschler, Michael.
- BETZ, FREDERICK AND MITROFF, IAN C., Representational Systems Theory, 1242.
- BLAU, ROGER A., N-Job, One Machine Sequencing Problems Under Uncertainty, 101.
- BLIN, J. M. AND WHINSTON, A. B., A Note on Majority Rule Under Transitivity Constraints, 1439.
- BOWMAN, V. JOSEPH AND COLANTONI, C. S., Further Comments on Majority Rule Under Transitivity Constraints: A Note, 1441.
- CHEERN, CHUNG-MEI HO, A Multi-Product Joint Ordering Model with Dependent Setup Cost, 1081.
- COLANTONI, C. S. see Bowman, V. Joseph.
- CROWSTON, WALLACE B. AND WAGNER, MICHAEL H., Dynamic Lot Size Models for Multi-Stage Assembly Systems, 14.
- DAVIES, G. S., Structural Control in a Graded Manpower System, 76.
- DAVIS, MORTON, Some Further Thoughts on the Minimax Principle, 1305.
- DENT, WARREN, A Note on Least Squares Fitting of Functions Constrained to be Either Nonnegative, Nondecreasing or Convex, 130.
- , The Estimation of Nonstationary Transition Probabilities, 308.
- DINKEL, JOHN J. AND KOCHENBERGER, GARY A., A Note on "Substitution Effects in Geometric Programming", 1141.
- DIRICKX, YVO M. I., Deterministic Discrete Dynamic Programming with Discount Factor Greater than One: Structure of Optimal Policies, 32.
- AND RAO, M. R., Networks with Gains in Discrete Dynamic Programming, 1428.
- DOLL, C. LOREN AND WHYBARK, D. CLAY, An Iterative Procedure for the Single-Machine Multi-Product Lot Scheduling Program, 50.
- EHRENFELD, S. see Noe, N. H.
- ERCAN, SEDAT SAMI, HASSAN, M. ZIA AND TAULANANDA, AJVA, Cost Minimizing Single Sampling Plans with AIQL and AOQL Constraints, 1112.
- ERLENKOTTER, DONALD, Dynamic Facility Location and Simple Network Models: A Note, 1311.
- FISHBURN, PETER C., Lexicographic Orders, Utilities and Decision Rules: A Survey, 1442.
- FISHMAN, GEORGE, Statistical Analysis for Queueing Simulations, 363.
- FRYER, JOHN S., Labor Flexibility in Multi-echelon Dual-Constraint Job Shops, 1073.
- GARDENFORS, PETER, Assignment Problem Based on Ordinal Preferences, 331.
- GARSTKA, STANLEY J., Regularity Conditions for a Class of Convex Programs, 373.
- GLASSEY, C. ROGER, Nested Decomposition and Multi-Stage Linear Programs, 282.
- GOCHET, WILLY F. AND PADBERG, MANFRED W., The Triangular E-Model of Chance-Constrained Programming with Stochastic A-Matrix, 1284.
- GRINOLD, RICHARD C., A Generalized Discrete Dynamic Programming Model, 1092.
- GROFF, GENE K., Empirical Comparison of Models for Short Range Forecasting, 22.
- HAMMOND III, JOHN S., Simplifying the Choice Between Uncertain Prospects Where Preference is Nonlinear, 1047.
- HARSAYNI, JOHN C., An Equilibrium-Point Interpretation Stable Sets and a Proposed Alternative Definition, 1472.
- HASSAN, M. Zia see Ercan, Sedat Sami.
- HOLLOWAY, C. A. AND NELSON, R. T., Job Shop Scheduling with Due Dates and Variable Processing Times, 1264.
- AND —, Alternative Formulation of the Job Shop Problem with Due Dates, 65.
- HORDIJK, ARIE AND TIJMS, HENK, Convergence Results and Approximations for Optimal (s,S) Policies, 1432.
- HURIOT, J. M. AND PERREUR, J., On the Weber Problem with Rectangular Distance: A Comment, 418.
- HURST, E. GERALD, JR., Imperfect Inspection in a Multistage Production Process, 378.
- JONES, C. H., An Economic Evaluation of Job Shop Dispatching Rules, 293.
- KALOTAY, A. J., Capacity Expansion and Specialization, 56.
- , Two Comments on the Deterministic Capacity Problem: A Note, 1313.
- KOCHENBERGER, GARY A. see Dinkel, John J.
- KORTANEK, K. O., SODEN, J. V., AND SODARO, D., Profit Analyses and Sequential Bid Pricing Models, 396.
- KOTIAH, T. C. T. AND WALLACE, N. D., Another Look at the PERT Assumptions, 44.
- KUMIN, HILLEL, On Characterizing the Extrema of a Function of Two Variables, One of Which is Discrete, 126.
- KUNREUTHER, HOWARD C. AND MORTON, THOMAS E., Planning Horizons for Production Smoothing with Deterministic Demands. I, 110.
- AND —, General Planning Horizons for Production Smoothing with Deterministic Demands. II. Extensions to Overtime, Undertime, and Backlogging, 1037.

- LAVE, R. E. see SATIA, J. K.
- LIEBER, ZVI, An extension to Modigliania and Hohn's Planning Horizons Results, 319.
- LILLEN, GARY L., A Modified Linear Learning Model of Buyer Behavior, 1027.
- LITTLECHILD, S. C. AND OWEN, G., A Simple Expression for the Shapley Value in a Special Case, 370.
- LOVE, STEPHEN F., Bounded Production and Inventory Models with Piecewise Concave Costs, 313.
- MACASKILL, J. L. C., Computer Simulation for Mixed-Model Production Lines, 341.
- MARCHAND, MAURICE G., Priority Pricing, 1131.
- MARIANI, LUIGI AND NICOLETTI, BERNARDO, Optimization of Deterministic, Multi-product Inventory Model with Joint Replenishment, 349.
- MASCHLER, MICHAEL AND AUMAN, ROBERT J., Response to Taylor's "Resolution of a Paradox: Mini-Max Rehabilitated": Communication to the Editor, 1316.
- MCCLAINE, JOHN O., Dynamics of Exponential Smoothing with Trend and Seasonal Terms, 1300.
- MEYER, CARL F., A Long-Range Selection and Timing Analysis System for Facility Location: Implementation, 261.
- MITROFF, IAN I. see BETZ, FREDERICK.
- MORRIS, PETER A., Decision Analysis Expert Use, 1233.
- MORSE, PHILIP M., The 1974 Lancaster Price: Call for Nominations: Communication to the Editor, 1318.
- MORTON, THOMAS E. see KUNREUTHER, HOWARD C.
- NAHMIA, STEVEN, Inventory Depletion Management When the Field Life is Random, 1276.
- NAUSS, R. M. see NEMHAUSER, G. L.
- NELSON, ROSSER T. see HOLLOWAY, CHARLES A.
- NEMHAUSER, G. L., TROTTER, L. E. JR. AND NAUSS, R. M., Set Partitioning and Chain Decomposition, 1413.
- NICOLETTI, BERNARDO see MARIANI, LUIGI.
- NOE, N. H. AND EHRENFELD, S., A Bayesian Sequential Multi-Decision Problem, 274.
- OWEN, GUILLERMO, A Discussion of Minimax: Communication to the Editor, 1316.
- OWEN, G. see LITTLECHILD, S. C.
- PADBERG, MANFRED W. see GOCHET, WILLY F.
- PERREUR, J. see HURIOT, J. M.
- PYE, GORDON, Sequential Policies for Bank Money Management, 385.
- RAO, M. R. see DIRICKX, YVO M. I.
- SATIA, J. K. AND LAVE, R. E., Markovian Decision Processes with Probabilistic Observation of States, 1.
- SCHNEEWEISS, CHRISTOPH A., Optimal Production Smoothing and Safety Inventory, 1122.
- SERFOZO, RICHARD F., A Replacement Problem Using a Wald Identity for Discounted Variables: A Note, 1314.
- SODARO, D. see KORTANEK, K. O.
- SODEN, J. V. see KORTANEK, K. O.
- SPINETTO, RICHARD, The Geometry of Solution Concepts for N-Person Cooperative Games, 1292.
- TAN, FELIPE K., Optimal Policies for a Multi-Echelon Inventory Problem with Periodic Ordering, 1104.
- TAULANANDA, AJVA see ERCAN, SEDAT SAMI.
- TIJMS, HENK see HORDIJK, ARIE.
- TROTTER, L. E. JR. see NEMHAUSER, G. L.
- WAGNER, MICHAEL H. see CROWSTON, WALLACE B.
- WALLACE, N. D. see KOTIAH, T. C. T.
- WESOLOWSKY, GEORGE O., Rejoinder to ERLINKOTTER's Dynamic Facility Location and Simple Network Models: A Note, 1312.
- WHINSTON, A. B. see BLIN, J. M.
- WHITE, D. J., An Imbedding Approach to Additive Value Zero-One Problems, 85.
- WHYBARK, D. CLAY, see DOLL, C. LOREN.
- WILLIAMS, JACK F., Multi-Echelon Production Scheduling when Demand is Stochastic, 1253.

## Articles

- Alternative Formulation of the Job Shop Problem with Due Dates, CHARLES A. HOLLOWAY AND ROSSER T. NELSON, 65.
- Another Look at the PERT Assumptions, T. C. T. KOTIAH AND N. D. WALLACE, 44.
- Assignment Problem Based on Ordinal Preferences, PETER GARDENFORS, 331.
- Bayesian Sequential Multi-Decision Problem, A. N. H. NOE AND S. EHRENFELD, 274.
- Bounded Production and Inventory Models with Piecewise Concave Costs, STEPHEN F. LOVE, 313.
- Capacity Expansion and Specialization, A. J. KALOTAY, 56.
- Characterizing the Extrema of a Function of Two Variables, One of Which is Discrete, On, HILLEL KUMIN, 126.
- Computer Simulation for Mixed-Model Production Lines, J. L. C. MACASKILL, 341.
- Convergence Results and Approximations for Optimal ( $s, S$ ) Policies, ARIE HORDIJK AND HENK TIJMS, 1432.
- Cost Minimizing Single Sampling Plans with AIQL and AOQL Constraints, SEDAT SAMI ERCAN, M. ZIA HASSAN AND AJVA Taulananda, 1112.
- Decision Analysis Expert Use, PETER A. MORRIS, 1233.
- Deterministic Discrete Dynamic Programming with Discount Factor Greater than One: Structure of Optimal Policies, YVO M. I. DIRICKX, 32.
- Discussion of Minimax, A.: Communication to the Editor, GUILLERMO OWEN, 1316.

- Dynamic Facility Location and Simple Network Models: A Note, DONALD ERLINKOTTER, 1311.
- Dynamic Lot Size Models for Multi-Stage Assembly Systems, WALLACE B. CROWSTON AND MICHAEL H. WAGNER, 14.
- Dynamics of Exponential Smoothing with Trend and Seasonal Terms, JOHN O. MCCLAIN, 1300.
- Economic Evaluation of Job Shop Dispatching Rules, An, C. H. JONES, 293.
- Empirical Comparison of Models for Short Range Forecasting, GENE K. GROFF, 22.
- Equilibrium-Point Interpretation of Stable Sets and a Proposed Alternative Definition, An, JOHN C. HARSANYI, 1472.
- Estimation of Nonstationary Transition Probabilities, The, WARREN DENT, 308.
- Extension to Modigliani and Hohn's Planning Horizons Results, An, ZVI LIEBER, 319.
- Further Comments on Majority Rule Under Transitivity Constraints: A Note, V. JOSEPH BOWMAN AND C. S. COLANTONI, 1472.
- General Planning Horizons for Production Smoothing with Deterministic Demands. II. Extensions to Overtime, Undertime, and Backlogging, HOWARD C. KUNREUTHER AND THOMAS E. MORTON, 1037.
- Generalized Discrete Dynamic Programming Model, A, RICHARD C. GRINOLD, 1092.
- Geometry of Solution Concepts for N-Person Cooperative Games, The, RICHARD SPINETTO, 1292.
- Imbedding Approach to Additive Value Zero-One Problems, An, D. J. WHITE, 85.
- Imperfect Inspection in a Multistage Production Process, E. GERALD HURST, JR., 378.
- Iterative Procedure for the Single-Machine Multi-Product Lot Scheduling Program, An, C. LOREN DOLL AND D. CLAY WHYBARK, 50.
- Inventory Depletion Management When the Field Life is Random, STEVEN NAHMIAS, 1276.
- Job Shop Scheduling with Due Dates and Variable Processing Times, C. A. HOLLOWAY AND R. T. NELSON, 1264.
- Labor Flexibility in Multiechelon Dual-Constraint Job Shops, JOHN S. FRYER, 1073.
- Lancaster Price: Call for Nomination, The 1974: Communication to the Editor, PHILIP M. MORSE, 1318.
- Least Squares Fitting of Functions Constrained to be Either Nonnegative, Nondecreasing or Convex, A Note on, WARREN DENT, 130.
- Lexicographic Orders, Utilities and Decision Rules: A Survey, PETER C. FISHBURN, 1442.
- Long-Range Selection and Timing Analysis System for Facility Location: Implementation, A, CARL F. MEYER, 261.
- Majority Rule Under Transitivity Constraints: A Note, J. M. BLIN AND A. B. WINSTON, 1439.
- Markovian Decision Processes with Probabilistic Observation of States, J. K. SATTIA AND R. E. LAVE, 1.
- Modified Linear Learning Model of Buyer Behavior, A, GARY L. LILLEN, 1027.
- Multi-Echelon Production Scheduling when Demand is Stochastic, JACK F. WILLIAMS, 1253.
- Multi-Product Joint Ordering Model with Dependent Setup Cost, A, CHUNG-MEI HO CHERN, 1081.
- Nested Decomposition and Multi-State Linear Programs, C. ROGER GLASSEY, 282.
- Networks with Gains in Discrete Dynamic Programming, Yvo M. I. DIRICKX AND M. R. RAO, 1428.
- N-Job, One Machine Sequencing Problems Under Uncertainty, ROGER A. BLAU, 101.
- One Management Science Issue: An Excellent Representation of Ideals: Communication to the Editor, SUMER C. AGGARWAL, 1317.
- Optimal Policies for a Multi-Echelon Inventory Problem with Periodic Ordering, FELIPE K. TAN, 1104.
- Optimal Production Smoothing and Safety Inventory, CHRISTOPH A. SCHNEEWEISS, 1122.
- Optimization of Deterministic, Multiproduct Inventory Model with Joint Replenishment, LUIGI MARIANI AND BERNARDO NICOLETTI, 349.
- Planning Horizons for Production Smoothing with Deterministic Demands. I, HOWARD C. KUNREUTHER AND THOMAS E. MORTON, 110.
- Priority Pricing, MAURICE G. MARCHAND, 1131.
- Profit Analyses and Sequential Bid Pricing Models, K. O. KORTANEK, J. V. SODEN AND D. SODARO, 396.
- Regularity Conditions for a Class of Convex Programs, STANLEY J. GARSTKA, 373.
- Rejoinder to ERLINKOTTER's "Dynamic Facility Location and Simple Network Models," Note, GEORGE O. WESOLOWSKY, 1312.
- Replacement Problem Using a Wald Identity for Discounted Variables, A: Note, RICHARD F. SERFOZO, 1314.
- Representational Systems Theory, FREDERICK BETZ AND IAN I. MITROFF, 1242.
- Response to Taylor's "Resolution of a Paradox: Mini-Max Rehabilitated": Communication to the Editor, MICHAEL MASCHLER AND ROBERT J. AUMAN, 1316.
- Sequential Policies for Bank Money Management, GORDON PYE, 385.
- Set Partitioning and Chain Decomposition, G. L. NEMHAUSER, L. E. TROTTER, JR. AND R. M. NAUSS, 1413.
- Simple Expression for the Shapley Value in a Special Case, A, S. C. LITTLECHILD AND G. OWEN, 370.
- Simplifying the Choice Between Uncertain

- Prospects Where Preference is Nonlinear, JOHN S. HAMMOND III, 1047.
- Some Further Thoughts on the Minimax Principle, MORTON DAVIS, 1305.
- Some Interpretations of Sequential Bid Pricing Strategies, EMIL ATTANASI, 1424.
- Statistical Analysis for Queueing Simulations, GEORGE FISHMAN, 363.
- Structural Control in a Graded Manpower System, G. S. DAVIES, 76.
- "Substitution Effects in Geometric Programming", A Note on, JOHN J. DINKEL and GARY A. KOCHENBERGER, 1141.
- Triangular E-Model of Chance-Constrained Programming with Stochastic A-Matrix, The, WILLY F. GOCHET AND MANFRED W. PADBERG, 1284.
- Two Comments on the Deterministic Capacity Problem: A Note, A. K. KALOTAY, 1313.
- Weber Problem with Rectangular Distance, On the: A Comment, J. M. HURIOT AND J. PERREUR, 418.



## INDEX TO VOLUME 20—APPLICATION

### Authors

- AGGARWAL, SUMER C., A Critique of "The Distribution System Simulator" By M. M. Connors, Et AL., 482.
- BARCUN, SEYMOUR D. AND JEMING, PETER, Airline Seat Share: A Study in False Optimization, 146
- BAKER, KENNETH R., Scheduling a Full-Time Workforce to Meet Cyclic Staffing Requirements, 1561.
- BARTEE, EDWIN M., A Holistic View of Problem Solving, 439
- BELASCO, JAMES A., Educational Innovation: The Impact of Organizational and Community Variables on a Performance Contract, 498.
- BRADLEY, PAUL see DYER, JAMES S.
- BUXEY, G. M., Assembly Line Balancing with Multiple Stations, 1010.
- CHERVANY, NORMAN L. AND DICKSON, GARY W., An Experimental Evaluation of Information Overload in a Production Environment, 1335.
- CHRISTOFFEL, WADE see GERWIN, DONALD.
- CURRY, G. L. see HARTFIELD, D. J.
- DEAN, BURTON V. see TRUEMPER, KLAUS.
- DEICH, INGRID see GLEUCK, WILLIAM F.
- DEVINE, MICHAEL D., A Model for Minimizing the Cost of Drilling Dual Completion Oil Wells; Note, 532.
- DICKSON, GARY W. see CHERVANY, NORMAN L.
- DYER, JAMES S., FARRELL, WILLIAM AND BRADLEY, PAUL, Utility Functions for Test Performance, 507
- DOOLEY, J. E., Decisions on Social and Technological Tasks Incorporating Expression of Preference and Environmental Insult, 912.
- DUNCAN, W. JACK, The Researcher and the Manager: A Comparative View of the Need for Mutual Understanding, 1157.
- EL-SHAIEB, A. M., A New Algorithm for Locating Sources Among Destinations, 221.
- EPPEN, GARY D. AND HURST, E. GERALD JR., Optimal Location of Inspection Stations in a Multistage Production Process, 1194.
- FAALAND, BRUCE, An Integer Programming Algorithm for Portfolio Selection, 1376.
- , Generalized Equivalent Integer Programs and Canonical Problems, 1551.
- FARRELL, WILLIAM see DYER, JAMES S.
- FERRAR, TERRY A., Nonlinear Effluent Charges, 169
- FOGLER, H. RUSSELL, A Pattern Recognition Model for Forecasting, 1178.
- FROMOVITZ, S. see ROTHKOPF, M. H.
- GEARING, CHARLES E., SWART, WILLIAM W. AND VAR, TURGUT, Determining the Optimal Investment Policy for the Tourism Sector of a Developing Country, 487.
- GENSCH, DENNIS H. AND WELAM, ULF PETER, An Optimum Budget Allocation Model for Dynamic, Interacting Market Segments, 179.
- GERWIN, DONALD, AND CHRISTOFFEL, WADE, Organizational Structure and Technology: A Computer Model Approach, 1531.
- GLOVER, FRED, KALSTORIN, T. AND KLINGMAN, D., Optimal Weighted Ancestry Relationships, 1190.
- GLEUCK, WILLIAM F. AND DEICH, INGRID, Antecedents and Consequences of Research Planning in a University Setting, 240.
- GOODMAN, DAVID A., A Goal Programming Approach to Aggregate Planning of Production and Work Force, 1569.
- GOYAL, S. K., Determination of Economic Packaging Frequency for Items Jointly Replenished, 232.
- GRINOLD, RICHARD C. AND STANFORD, ROBERT E., Optimal Control of a Graded Manpower System, 1201.
- AND —, Optimal Control of a Graded Manpower System: Erratum, 1577.
- HALEY, CHARLES W. AND HIGGINS, ROBERT C., Inventory Policy and Trade Credit Financing, 464.
- HARTFIELD, D. J. AND CURRY, G. L., An Algorithm for Optimal Inventory Policies for Systems with Joint Setup Costs, 1175.
- HAUSMAN, WARREN H. AND SIDES, RICHARD ST. G., Mail-Order Demands for Style Goods: Theory and Data Analysis, 191.
- HERBST, ANTHONY F., A Fortran IV Procedure for Determining Return on Invested Capital: Precise, 1022.
- HERSH, MARVIN, Allocation Processes with Variable Channel Queues, 203.
- HIGGINS, ROBERT C. see HALEY, CHARLES W.
- HUBER, GEORGE P., Multi-Attribute Utility Models: A Review of Field and Field-Like Studies, 1393.
- HUBER, WALTER D. see PATTERSON, JAMES H.
- HURST, E. GERALD JR., see EPPEN, GARY D.
- INGARGIOLA, GIORGIO P. AND KORSH, JAMES F., A Reduction Algorithm for the Zero-One Knapsack Problems, 460.
- JEMING, PETER see BARCUN, SEYMOUR D.
- KHUMAWALA, BASHEER M. see LEE, WILLIAM B.
- KINBERG, YORAM, RAO, AMBAR G. AND SHAKUN, MELVIN F., A Mathematical Model for Price Promotions, 948.
- KIRCH, R. L. A. AND KLEIN, M., Surveillance Schedules for Medical Examinations, 1403.
- KLASTORIN, T. see GLOVER, FRED.
- KLEIN, M. see KIRCH, R. L. A.
- KLINGMAN, D. see GLOVER, FRED.
- KORSH, JAMES F. see INGARGIOLA, GIORGIO P.
- KRISBERGH, HAROLD M. see NELSON, CARL W.
- LANDAU, MOSHE see TRIFON, RAPHAEL.



- LAWLER, EUGENE L., Additional Comments: Letter to the Editor, 541.
- LAWRENCE, CHARLES E., MUNDIGO, AXEL I. AND REVELLE, CHARLES S., Analysis of the Allocation of Resources in Family Planning Programs, 520.
- LEE, WILLIAM B. AND KHUMAWALA, BASHEER M., Simulation Testing of Aggregate Production Models in an Implementation Methodology, 903.
- LIGGETT, ROBIN SEGERBLOM, The Application of an Implicit Enumeration Algorithm to the School Desegregation Problem, 159.
- LILIEN, GARY L., A Note on Offshore Oil Field Development Problems and Suggested Solutions, 536.
- MACCRIMMON, KENNETH R., Descriptive Aspects of Team Theory: Observation, Communication and Decision Heuristics in Information Systems, 1323.
- MARSHALL, JAMES, On Lawler's K Best Solutions to Optimization: Letter to the Editor, 540.
- MASON, RICHARD O. see MITROFF, IAN I.
- MCCARRON, J. K. see ROTHKOFF, M. H.
- MITROFF, IAN I., A Reaction to One Interpretation of the Special Issue on the ORSA Guidelines: Letter to the Editor, 253.
- AND MASON, RICHARD O., On Evaluating the Scientific Contribution of the Apollo Moon Missions Via Information Theory: A Study of the Scientist-Scientist Relationship, 1501.
- MORGAN, ALEXANDER, Stag Monotone Experimental Design Algorithm (SMEDAL), 214.
- MUCKSTADT, JOHN A., A Model for a Multi-Item, Multi-Echelon, Multi-Indenture Inventory System, 472.
- MUNDIGO, AXEL I. see LAWRENCE, CHARLES E.
- NAKAMURA, MASAO, On a Class of Stochastic Optimization Problems with a Specified Growth Pattern, 236.
- NELSON, CARL W. AND KRISBERGH, HAROLD M., A Search Procedure for Policy Oriented Simulations: Applications to Urban Dynamics, 1164.
- PARSONS, LEONARD J., An Econometric Analysis of Advertising, Retail Availability, and Sales of a New Brand, 938.
- PATTERSON, JAMES H. AND HUBER, WALTER D., A Horizon-Varying, Zero-One Approach to Project Scheduling, 990.
- PARVIN, MANOUCHER, Planning Human Capital Structure: A Study of Economic, Demographic and Educational Determinants, 1543.
- PEKELMAN, DOV AND SEN, SUBRATA, Mathematical Programming Models for the Determination of Attribute Weights, 1217.
- RAO, AMBAR G. see KINBERG, YORAM.
- AND SHAKUN, MELVIN F., A Normative Model for Negotiations, 1364.
- REVELLE, CHARLES S. see LAWRENCE, CHARLES E.
- ROSE, C. J., Management Science in the Developing Countries: A Comparative Approach to Irrigation Feasibility, 423.
- ROTHKOFF, M. H., MCCARRON, J. K. AND FROMOVITZ, S., A Weather Model for Simulating Offshore Construction Alternatives, 1345.
- RUTENBERG, DAVID P. see SHAPIRO, ALAN C.
- SAVAS, E. S., The Political Properties of Crystalline:  $H_2O$ : Planning for Snow Emergencies in New York, 137.
- SEN, SUBRATA see PEKELMAN, DOV.
- SHAKUN, MELVIN F. see KINBERG, YORAM.
- SHAKUN, MELVIN F. see RAO, AMBAR G.
- SHAPIRO, ALAN C. AND RUTENBERG, DAVID P., When to Hedge Against Devaluation, 1514.
- SHOCKER, ALLAN D. AND SRINIVASAN, V., A Consumer-Based Methodology for the Identification of New Product Ideas, 921.
- SIDES, RICHARD ST. G. see HAUSMAN, WARREN H.
- SMITH, J. D., Management Science in Developing Countries: Letter to the Editor, 255.
- SMITH, VICTOR E., A Diet Model with Protein Quality Variable, 971.
- SOUDER, WILLIAM E., Autonomy, Gratification and R&D Outputs: A Small-Sample Field Study, 1147.
- SOUTHWICK, L. JR. AND ZIONTS, S., The Use of Tax Incentives for Employment of Underutilized Resources, 449.
- SRINIVASAN, V. see SHOCKER, ALLAN D.
- , A Transshipment Model for Cash Management Decisions, 1350.
- AND THOMPSON, G. L., Alternate Formulations for Static Multi-Attribute Assignment Models, 154.
- STANFORD, ROBERT E. see GRINOLD, RICHARD C., 1201.
- SWANSON, H. S. see WOOLSEY, ROBERT E. D.
- SWART, WILLIAM W. see GEARING, CHARLES E.
- THOMPSON, G. L. see SRINIVASAN, V.
- THORSELL, ULF, The Need for Studying Separate Goals in Decision Models: Letter to the Editor, 1576.
- TRIFON, RAPHAEL AND LANDAU, MOSHE, A Model of Wage Bargaining Involving Negotiations and Sanctions, 960.
- TRUEMPER, KLAUS AND DEAN, BURTON V., The OPRAD Research and Development Management Game, 999.
- UYENO, DEAN H., Health Manpower Systems: An Application of Simulation to the Design of Primary Health Care Teams, 981.
- VAB, TURGUT, see GEARING, CHARLES E.
- WEEKS, DAVID L. see WILLIAMS, DONALD R.
- WELAM, ULF PETER see GENSCH, DENNIS H.
- WILLIAMS, DONALD R. AND WEEKS, DAVID L., A Technique for Designing and Augmenting Simulation Experiments, 1385.
- WOOLSEY, ROBERT E. D. AND SWANSON, H. S., On Effluent Charges: Letter to the Editor, 1576.
- ZIONTS, S. see SOUTHWICK, L. JR.

## Articles

- Additional Comments: Letter to the Editor, EUGENE L. LAWLER, 541.
- Airline Seat Share: A Study in False Optimization, SEYMOUR D. BARCUN AND PETER JEMING, 146.
- Algorithm for Optimal Inventory Policies for Systems with Joint Setup Costs, An, D. J. HARTFIEL AND G. L. CURRY, 1175.
- Allocation Processes with Variable Channel Queues, MARVIN HERSH, 203.
- Alternate Formulations for Static Multi-Attribute Assignment Models, V. SRINIVASAN AND G. L. THOMPSON, 154.
- Analysis of the Allocation of Resources in Family Planning Programs, CHARLES E. LAWRENCE, AXEL I. MUNIDGO AND CHARLES S. REVELLE, 520.
- Antecedents and Consequences of Research Planning in a University Setting, WILLIAM F. GLUECK AND INGRID DEICH, 240.
- Application of an Implicit Enumeration Algorithm to the School Desegregation Problem, The, ROBIN SEGERBLOM LIGGETT, 159.
- Assembly Line Balancing with Multiple Stations, G. M. BUXEY, 1010.
- Autonomy, Gratification and R&D Outputs: A Small-Sample Field Study, WILLIAM E. SOUDER, 1147.
- Consumer-Based Methodology for the Identification of New Product Ideas, A, ALLAN D. SHOCKER AND V. SRINIVASAN, 921.
- Critique of "The Distribution System Simulator" By M. M. CONNORS, ET AL., SUMER C. AGGARWAL, 482.
- Decisions on Social and Technological Tasks Incorporating Expression of Preference and Environmental Insult, J. E. DOOLEY, 912.
- Descriptive Aspects of Team Theory: Observation, Communication and Decision Heuristics in Information Systems, KENNETH R. MACCRIMMON, 1323.
- Determination of Economic Packaging Frequency for Items Jointly Replenished, S. K. GOYAL, 232.
- Determining the Optimal Investment Policy for the Tourism Sector of a Developing Country, CHARLES E. GEARING, WILLIAM W. SWART AND TURGUT VAR, 487.
- Diet Model with Protein Quality Variable, A, VICTOR E. SMITH, 971.
- Econometric Analysis of Advertising, Retail Availability, and Sales of a New Brand, An, LEONARD J. PARSONS, 938.
- Educational Innovation: The Impact of Organizational and Community Variables on a Performance Contract, JAMES A. BELASCO, 498.
- Effluent Charges, On: Letter to the Editor, ROBERT E. D. WOOLSEY AND H. S. SWANSON, 1576.
- Evaluating the Scientific Contribution of the Apollo Moon Missions Via Information Theory: A Study of the Scientist-Scientist Relationship, On, IAN I. MITROFF AND RICHARD O. MASON, 1501.
- Experimental Evaluation of Information Overload in a Production Environment, An, NORMAN L. CHERVANY AND GARY W. DICKSON, 1335.
- Fortran IV Procedure for Determining Return on Invested Capital, A: PRECIS, ANTHONY F. HERBST, 1022.
- Generalized Equivalent Integer Programs and Canonical Problems, BRUCE FAALAND, 1554.
- Goal Programming Approach to Aggregate Planning of Production and Work Force, A, DAVID A. GOODMAN, 1569.
- Health Manpower Systems: An Application of Simulation to the Design of Primary Health Care Teams, Dean H. Uyeno, 981.
- Holistic View of Problem Solving, A, EDWIN M. BARTEE, 439.
- Horizon-Varying, Zero-One Approach to Project Scheduling, A, JAMES H. PATTERSON AND WALTER D. HUBER, 990.
- Integer Programming Algorithm for Portfolio Selection, BRUCE FAALAND, 1376.
- Inventory Policy and Trade Credit Financing, CHARLES W. HALEY AND ROBERT C. HIGGINS, 464.
- Lawler's K Best Solutions to Optimization, On: Letter to the Editor, JAMES MARSHALL, 540.
- Mail-Order Demands for Style Goods: Theory and Data Analysis, WARREN H. HAUSMAN AND RICHARD ST. G. SIDES, 191.
- Management Science in the Developing Countries: A Comparative Approach to Irrigation Feasibility, C. J. ROSE, 423.
- Management Science in Developing Countries: Letter to the Editor, J. D. SMITH, 255.
- Mathematical Model for Price Promotions, A, YORAM KINBERG, AMBAR G. RAO AND MELVIN F. SHAKUN, 948.
- Mathematical Programming Models for the Determination of Attribute Weights, DOV PEKELMAN AND SUBRATA SEN, 1217.
- Model for Minimizing the Cost of Drilling Dual Completion Oil Wells, A: Note, MICHAEL D. DEVINE, 532.
- Model for a Multi-Item, Multi-Echelon, Multi-Indenture Inventory System, A, JOHN A. MUCKSTADT, 472.
- Model of Wage Bargaining Involving Negotiations and Sanctions, A, RAFAEL TRIFON AND MOSHE LANDAU, 960.
- Multi-Attribute Utility Models: A Review of Field and Field-Like Studies, GEORGE P. HUBER, 1393.
- Need for Studying Separate Goals in Decision Models, The: Letter to the Editor, ULF THORSSELL, 1576.
- New Algorithm for Locating Sources Among Destinations, A, A. M. EL-SHAIEB, 211.
- Nonlinear Effluent Charges, TERRY A. FERRAR, 169.



- Normative Model for Negotiations, AMBAR G. RAO AND MELVIN F. SHAKUN, 1364.
- Offshore Oil Field Development Problems and Suggested Solutions, A: Note, GARY L. LILIEN, 536.
- OPRAD Research and Development Management Game, The, KLAUS TRUEMPER AND BURTON V. DEAN, 999.
- Optimal Control of a Graded Manpower System, RICHARD C. GRINOLD AND ROBERT E. STANFORD, 1201; Erratum, 1577.
- Optimal Location of Inspection Stations in a Multistage Production Process, GARY D. EPPEN AND E. GERALD HURST, JR., 1194.
- Optimal Weighted Ancestry Relationships, FRED GLOVER, T. KLASTORIN AND D. KLINGMAN, 1190.
- Optimum Budget Allocation Model for Dynamic, Interacting Market Segments, An, DENNIS H. GENSCH AND ULF PETER WELAM, 179.
- Organizational Structure and Technology: A Computer Model Approach, DONALD GERWIN AND WADE CHRISTOFFEL, 1531.
- Pattern Recognition Model for Forecasting, A, H. RUSSELL FOGLER, 1178.
- Planning Human Capital Structure: A Study of Economic, Demographic and Educational Determinants, MANOUCHER PARVIN, 1543.
- Political Properties of Crystalline  $H_2O$ : Planning for Snow Emergencies in New York, The, E. S. SAVAS, 137.
- Reaction to One Interpretation of the Special Issue on the ORSA Guidelines, A.: Letter to the Editor, IAN I. MITROFF, 253.
- Reduction Algorithm for the Zero-One Knapsack Problems, A, GIORGIO P. INGARGIOLA AND JAMES F. KORSH, 460.
- Researcher and the Manager: A Comparative View of the Need for Mutual Understanding, The, W. JACK DUNCAN, 1157.
- Scheduling a Full-Time Workforce to Meet Cyclic Staffing Requirements, KENNETH R. BAKER, 1561.
- Search Procedure for Policy Oriented Simulations: Applications to Urban Dynamics, CARL W. NELSON AND HAROLD M. KRISBERGH, 1146.
- Simulation Testing of Aggregate Production Models in an Implementation Methodology, WILLIAM B. LEE AND BASHEER M. KHUMAWALA, 903.
- Stag Monotone Experimental Design Algorithm (SMEDAL), ALEXANDER MORGAN, 214.
- Stochastic Optimization Problems with a Specified Growth Pattern, On a Class of, MASAO NAKAMURA, 236.
- Surveillance Schedules for Medical Examinations, R. L. A. KIRCH AND M. KLEIN, 1403.
- Technique for Designing and Augmenting Simulation Experiments, A, DONALD R. WILLIAMS AND DAVID L. WEEKS, 1385.
- Transshipment Model for Cash Management Decisions, A, V. SRINIVASAN, 1350.
- Use of Tax Incentives for Employment of Underutilized Resources, The, L. SOUTHWICK, JR. AND S. ZIONTS, 449.
- Utility Functions for Test Performance, JAMES S. DYER, WILLIAM FARRELL AND PAUL BRADLEY, 507.
- Weather Model for Simulating Offshore Construction Alternatives, A, M. H. ROTHKOPF, J. K. MCCARRON AND S. FROMOVITZ, 1345.
- When to Hedge Against Devaluation, ALAN C. SHAPIRO AND DAVID P. RUTENBERG, 1514.